

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398</
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- 1 1. A method for rendering network addresses of files capable of being
2 downloaded over a network on an output device, comprising:
3 generating a list of previously accessed network addresses; and
4 associating an access time rating with each network address in the list indicating a
5 relative time to access a file from the network address.
- 1 2. The method of claim 1, further comprising:
2 determining an access time indicator for one network address based on the access time
3 rating, wherein there are at least two different access time indicators for different access time
4 ratings; and
5 rendering the access time indicator when rendering the network address on the output
6 device.
- 1 3. The method of claim 2, wherein the rendered access time indicator comprises
2 an access time rendered with the network address.
- 1 4. The method of claim 2, wherein the output device comprises a display monitor,
2 wherein rendering the network address comprises displaying the network address on a display
3 monitor and wherein rendering the access time indicator comprises altering the display of the
4 network address on the display monitor.
- 1 5. The method of claim 4, wherein the access time indicator comprises a color in
2 which to display the network address on the display monitor.
- 1 6. The method of claim 2, wherein the output device comprises a display monitor,
2 wherein the file accessed from the network address comprises a page to display on the display

3 monitor, wherein the network address to render comprises a network address included in the
4 page to display within the displayed page, and wherein the access time rating is based on a time
5 to download the page from over the network.

1 7. The method of claim 6, wherein the access time rating is further based on a time
2 to render the downloaded page as output on the display monitor.

1 8. The method of claim 6, wherein the time to download the page further
2 comprises a time to download any files embedded in the page that are rendered with the page.

1 9. The method of claim 6, wherein generating the list of previously accessed
2 network addresses with access time ratings comprises:
3 each time the page is downloaded from the network address, determining a time to
4 download the page from over the network;
5 storing each determined time with the network address;
6 calculating an expected access time from the stored determined times for each network
7 address; and
8 determining the access time rating from the expected access time.

1 10. The method of claim 6, wherein the page is implemented in a markup-language
2 including tagged elements, further comprising:
3 generating a document object including nodes for the tagged elements;
4 generating a node for each network address included in the page; and
5 generating an attribute for each network address node implementing the access time
6 indicator determined from the network address, wherein the page is rendered from the
7 document object.

1 13. A system for rendering network addresses of files capable of being
2 downloaded over a network on an output device, comprising:
3 means for generating a list of previously accessed network addresses; and
4 means for associating an access time rating with each network address in the list
5 indicating a relative time to access a file from the network address.

1 19. The system of claim 18, wherein the access time rating is further based on a
2 time to render the downloaded page as output on the display monitor.

1 20. The system of claim 18, wherein the time to download the page further
2 comprises a time to download any files embedded in the page that are rendered with the page.

1 21. The system of claim 18, wherein the means for generating the list of previously
2 accessed network addresses with access time ratings performs:
3 each time the page is downloaded from the network address, determining a time to
4 download the page from over the network;
5 storing each determined time with the network address;
6 calculating an expected access time from the stored determined times for each network
7 address; and
8 determining the access time rating from the expected access time.

1 22. The system of claim 18, wherein the page is implemented in a markup-language
2 including tagged elements, further comprising:
3 means for generating a document object including nodes for the tagged elements;
4 means for generating a node for each network address included in the page; and
5 means for generating an attribute for each network address node implementing the
6 access time indicator determined from the network address, wherein the page is rendered from
7 the document object.

1 23. The system of claim 14, wherein the means for rendering the access time
2 indicator when rendering the processed network address further performs:
3 receiving characters of a network address a user inputs into an address field displayed
4 on the output device;
5 determining a set of network addresses from the list of previously accessed network
6 addresses that begin with the received characters;

7 determining the access time indicator for each of the determined network addresses in
8 the set based on the access time rating associated with each network address; and
9 rendering the determined access time indicator for each network address with the
10 network address in a list of network addresses, wherein a user is capable of selecting one of the
11 rendered network addresses to substitute for the received characters to enter into the address
12 field.

1 24. The system of claim 14, wherein the means for rendering the access time
2 indicator when rendering the processed network address further performs:
3 accessing a list of selected network addresses;
4 determining the access time indicator for each of the network addresses in the list of
5 selected network addresses based on the access time rating associated with each network
6 address; and
7 rendering the determined access time indicator with each network address in the list of
8 selected network addresses.

1 25. An article of manufacture for rendering network addresses of files capable of
2 being downloaded over a network on an output device, wherein the article of manufacture
3 comprises code implemented in a computer readable medium capable of causing a processor to
4 perform:
5 generating a list of previously accessed network addresses; and
6 associating an access time rating with each network address in the list indicating a
7 relative time to access a file from the network address.

1 26. The article of manufacture of claim 25, further comprising code capable of
2 causing the processor to perform:

3 determining an access time indicator for one network address based on the access time
4 rating, wherein there are at least two different access time indicators for different access time
5 ratings; and
6 rendering the access time indicator when rendering the network address.

1 27. The article of manufacture of claim 26, wherein the rendered access time
2 indicator comprises an access time rendered with the network address.

1 28. The article of manufacture of claim 26, wherein the output device comprises a
2 display monitor, wherein rendering the network address comprises displaying the network
3 address on the display monitor and wherein rendering the access time indicator comprises
4 altering the display of the network address on the display monitor.

1 29. The article of manufacture of claim 28, wherein the access time indicator
2 comprises a color in which to display the network address on the display monitor.

1 30. The article of manufacture of claim 25, wherein the output device comprises a
2 display monitor, wherein the file accessed from the network address comprises a page to
3 display on the display monitor, wherein the network address to render comprises a network
4 address included in the page to display within the displayed page, and wherein the access time
5 rating is based on a time to download the page from over the network.

1 31. The article of manufacture of claim 30, wherein the access time rating is further
2 based on a time to render the downloaded page as output on the display monitor.

1 32. The article of manufacture of claim 30, wherein the time to download the page
2 further comprises a time to download any files embedded in the page that are rendered with the
3 page.

1 35. The article of manufacture of claim 26, wherein rendering the access time
2 indicator when rendering the processed network address further comprises:
3 receiving characters of a network address a user inputs into an address field displayed
4 on the output device.
5 determining a set of network addresses from the list of previously accessed network
6 addresses that begin with the received characters;
7 determining the access time indicator for each of the determined network addresses in
8 the set based on the access time rating associated with each network address; and

9 rendering the determined access time indicator for each network address with the
10 network address in a list of network addresses, wherein a user is capable of selecting one of the
11 rendered network addresses to substitute for the received characters to enter into the address
12 field.

1 36. The article of manufacture of claim 26, wherein rendering the access time
2 indicator when rendering the processed network address further comprises:
3 accessing a list of selected network addresses;
4 determining the access time indicator for each of the network addresses in the list of
5 selected network addresses based on the access time rating associated with each network
6 address; and
7 rendering the determined access time indicator with each network address in the list of
8 selected network addresses.